

SECRET

Approved For Release 2000/08/23 : CIA-RDP66B00664R000200190018-0

25X10

NOFORN

MISSION FLIGHT DATA LOG

SPECIAL HANDLING REQUIRED

MISSION NO. GRC-153

TOT 02/2202Z

DATE 03 June 1963

TOL 03/0610Z

CHECKPOINT OR EVENT	TIME	ELAPSED TIME	COMMENT
SYSTEMS 3 & 6 ON	2202Z		
SYSTEM 12 ON	2204Z		
AC GENERATOR ON	2204Z		
SYSTEM 9 ON	2212Z		
SYSTEM 9 & 12 OFF	0545Z		
AC GENERATOR OFF	0545Z		
SYSTEMS 3 & 6 OFF	0610Z		

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SYSTEM III MISSION DATA

SPECIAL HANDLING REQUIRED

1. DATE OF MISSION..... 03 JUNE 1963  
2. MISSION NUMBER..... QRC-153  
3. SYSTEM SERIAL NUMBER..... 14  
4. RECORDER SERIAL NUMBER..... 738  
5. AIRCRAFT NUMBER..... 355  
6. TOTAL ELAPSED AC ON TIME..... 7 HR 41 MIN  
7. PREFLIGHT SENSITIVITY CHECK ATTACHED..... YES  
8. PREFLIGHT REMARKS: GOOD

9. TAMP CHECK IDENTIFICATION:

RCVR B BAND 3	114MC <u>70</u>	RCVR A BAND 1	102MC <u>X</u>	RCVR C BAND 2	108MC <u>X</u>
RCVR B BAND 5	125MC <u>60</u>	RCVR A BAND 7	136MC <u>75</u>	RCVR C BAND 4	119MC <u>60</u>
RCVR B BAND 8	142MC <u>80</u>	RCVR A BAND 9	147MC <u>80</u>	RCVR C BAND 6	130MC <u>70</u>

10. POST FLIGHT SPOT CHECK OF INDIVIDUAL RECEIVER PERFORMANCE:

RCVR B BAND 3	114MC <u>60</u>	RCVR A BAND 1	102MC <u>X</u>	RCVR C BAND 2	108MC <u>X</u>
RCVR B BAND 5	125MC <u>60</u>	RCVR A BAND 7	136MC <u>70</u>	RCVR C BAND 4	119MC <u>70</u>
RCVR B BAND 8	142MC <u>70</u>	RCVR A BAND 9	147MC <u>70</u>	RCVR C BAND 6	130MC <u>70</u>

11. COMMENTS:

GOOD

GS/REL

SIGNATURE

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SYSTEM III MISSION PREFLIGHT DATA  
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MISSION NUMBER CRC-153RECEIVER NUMBER 14TOTAL BENCH TIME ONE HOURDATE 02 JUNE 1963

## REMARKS:

3.5 V RECORDER SATURATION

0.5 V AUDIO AT PEAK

6.0 V MARKER PULSES

15 SEC LOCKON

BANDS 1 &amp; 2 DISABLED

25X1C

## RESPONSE AND SENSITIVITY

BAND	RECEIVER	FREQUENCY			
1	A	100.0	DISABLED		
		102.8	DISABLED		
		105.6	DISABLED		
2	C	105.6	DISABLED		
		108.4	DISABLED		
		111.2	DISABLED		
3	B	111.2	70		
		114.0	50		
		116.8	70		
4	C	116.8	55		
		119.6	60		
		122.4	68		
5	B	122.4	70		
		125.2	57		
		128.0	65		
6	C	128.0	60		
		130.8	55		
		133.6	55		
7	A	133.6	80		
		136.4	60		
		139.2	60		
8	B	139.2	70		
		142.0	58		
		144.8	55		
9	A	144.8	70		
		147.6	60		
		150.4	65		

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SYSTEM VI MISSION PREFLIGHT DATA

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1. Date of mission: 03 JUNE 1963 Mission number CRC-153 A/C number 355  
Date of preflight: 02 JUNE 1963

25X1C

## 2. Technical Data:

	P BAND	L BAND Left Right	S BAND Left Right	X BAND Left Right
Noise.....MV	<u>50</u>	<u>100</u> <u>100</u>	<u>50</u> <u>50</u>	<u>150</u> <u>150</u>
Tangential Sensitivity, Preflight.....-DBM	<u>73</u>	<u>54</u> <u>55</u>	<u>45</u> <u>45</u>	<u>59</u> <u>60</u>
Tangential Sensitivity, Postflight.....-DBM	<u>70</u>	<u>52</u> <u>52</u>	<u>46</u> <u>46</u>	<u>60</u> <u>59</u>
Maximum Output)...VOLTS	<u>18</u>	<u>10</u> <u>10</u>	<u>15</u> <u>15</u>	<u>5</u> <u>5</u>
At Saturation )....-DBM	<u>37</u>	<u>34</u> <u>33</u>	<u>0</u> <u>0</u>	<u>37</u> <u>38</u>
Calibration Signal.-DBM	<u>63</u>	<u>44</u>	<u>35</u>	<u>49</u>
Filter Assembly		<u>300</u> MC to <u>2</u> KMC	<u>2</u> KMC to <u>8</u> KMC	
Antenna Indexed	<u>OK</u>	<u>OK</u> <u>OK</u>	<u>OK</u> <u>OK</u>	<u>OK</u> <u>OK</u>
Information Amplifier #	<u>22</u>	<u>27</u>	<u>10</u>	<u>2</u>
Rambo Amplifier #	<u>1001</u>			
HRB PREAMPLIFIER #	<u>1002</u>			
HRB POWER SUPPLY #	<u>2</u>			

### Signal Generator Test Settings

a. P Band: 150 MC, 1000 PPS, 5 Usec pulse  
b. L Band: 750 MC, 1500 PPS, 5 Usec pulse  
c. S Band: 3.2 KMC, 1000 PPS, 5 Usec pulse  
d. X Band: 10.5 KMC, 1500 PPS, 5 Usec pulse

Master Recorder.....#849 (Track 1: X Band & Sys XII Raw Video;  
746 (Track 2: Sys XII unblanking; Track 3: S Band)  
Slave Recorder.....# (Track 1: P Band; Track 3: L Band)

Information Amplifier Power Supplies.# 117 and #102

Control Box.....# 115

Junction Box.....# 111

Timing Unit(30 seconds),.....# 104

## 3. Check list:

- 1 KC and 3 KC tones present on track 2 of slave recorder in left position of antenna selector switch OK.
- 1 KC and 3 KC tones present on track 2 of master recorder in left position of antenna selector switch OK.
- Timer switching frequency OK.

4. Flight clearance: Hatch hookup OK Systems junction box circuit breakers OK

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